

Date: Mon, 8 Feb 93 10:36:15 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #186  
To: Info-Hams

Info-Hams Digest                      Mon, 8 Feb 93                      Volume 93 : Issue 186

Today's Topics:

73s (Not 73)  
Amplifier Tuning  
Aurora '93 - VHF'ers paradise after the Hamfest  
Batteries wanted  
Correct Name for ham.ucsd.edu FTP Site? (2 msgs)  
CQ EU de AH1A  
Hamfest on the MN Tundra  
HF Propagation Beacons  
HTX-100  
kenwood 940  
MATCHING TUBES \*\*\*\*\*HOW ?\*\*\*\*\*  
Navassa QRV?  
Need help on impedance of 1/2 wave loop  
Proposition  
QRP amplifier ? (2 msgs)  
RF exposure  
Universal Nicad Discharger?  
WHICH ONE TO BUY ??

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Mon, 8 Feb 1993 13:53:03 GMT  
From: sdd.hp.com!hpscit.sc.hp.com!hpuerca.atl.hp.com!edh@network.UCSD.EDU  
Subject: 73s (Not 73)  
To: info-hams@ucsd.edu

Hey Joe!

You missed one of my favorites that I hear \_all the time\_  
on the repeaters:

"Well, Gotta put both hands on the wheel"  
[This QSO is so boring I'd rather just drive!]

almost as good:  
(noise in background)  
"Packet clusters up - gotta run pick up the DX"  
[Rather than talk with you, I'm going to make  
my 300th JA contact this year]

Ed Humphries -- N5RCK  
HP CRC Atlanta GA

-----  
Date: 8 Feb 1993 11:32 EST  
From: usc!howland.reston.ans.net!spool.mu.edu!agate!usenet.ins.cwru.edu!eagle!  
lims01.lerc.nasa.gov!lwwald@network.UCSD.EDU  
Subject: Amplifier Tuning  
To: info-hams@ucsd.edu

I'd like to get some feedback concerning tuning a linear that is  
being driven by a solid state exciter. I finally have my  
SB-200 talking to my ICOM and I noticed that if I tuned the SB-200  
for minimum reflected SWR back to the ICOM that this point did not  
match the point for max. power out for the SB-200. Now I was  
only running about 40-50 watts from the ICOM; this may have something to do  
with it.

Any comments or suggestions would be appreciated.

Please, no flames, my kill file is already overloaded.

Larry, KE8GW

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Date: Mon, 08 Feb 93 01:18:15 CST  
From: usc!howland.reston.ans.net!sol.ctr.columbia.edu!The-Star.honeywell.com!  
umn.edu!uum1!kksys.com!edgar!n0ren.tcman.ampr.org!moron!pillock!  
stevej@network.UCSD.EDU  
Subject: Aurora '93 - VHF'ers paradise after the Hamfest  
To: info-hams@ucsd.edu

The following message is of interest to all Hams involved in 6m and up

ssb, cw, EME, ATV, Microwave, and Laser, or those that want to be. Aurora '93 is presented by the Northern Lights Radio Society.

-----Cut Here-----

### AURORA '93

When: Saturday, February 13, 1993 starting at 2:00 PM with registration and eyeball QSOs. Program starting at 3:00 PM.

Where: Village North Professional Building, 7420 Unity Avenue North, Brooklyn Park. Take Brooklyn Boulevard (#152) 1.5 mile north of I-694; turn left at the stop light.

What: VHF-UHF-Microwave talks; flea market and informal discussion. Bring items to sell, or just to show-and-tell. Bring filters to characterize or tweak.

Fee: \$5.00 to cover expenses.

Lodging: The best rates in the area: Super 8 / Brooklyn Center; 1-694 at Shingle Creek Parkway. Call 1-800-800-8000.

Questions? Contact: Paul Husby, W0UC (612) 642-1559 (eves)  
(612) 560-4147 (days)

Plan ahead: Aurora '94 will be February 12, 1994 !

Our 10th annual upper-midwest VHF/UHF gathering will be held on Saturday, February 13, 1993. This year's program will include talks on meteor scatter, UHF contesting, K6STI's new Antenna Optimizer program, a demo on filter tweaking, updates on local activity and a VHF flea market.

As usual, we coincide with the Midwinter Madness hamfest at the National Sports Center in Blaine. This is an outstanding site and a great show; if you haven't attended recently, you must give it a try. For those of you from out of town, consider sending your family off to Mall of America and Camp Snoopy for the day, while you enjoy Midwinter Madness and Aurora '93. Let me know if you need a ride between the hamfest and Aurora '93, which will again be held in Brooklyn Park. We have a large room in which to meet and numerous restaurants within walking distance.

Registration for Aurora '93 will start at 2:00, with the program beginning at 3:00 and running into the evening; there will

be a break for dinner. As usual, the main highlight will simply be the chance to have eyeball QSOs with other VHFers of similar interests. Be there!

Please send registration by January 31, 1993 to:

Paul Husby (Pre-registration is not required,  
1462 Midway Parkway but saves everyone time on Saturday,  
St. Paul, MN 55108 and helps me know how many to expect.)

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Fee- \$5.00 Include your standings box report!

Name\_\_\_\_\_Call\_\_\_\_\_

Address\_\_\_\_\_Phone\_\_\_\_\_

City\_\_\_\_\_State\_\_ Zip \_\_\_\_-\_\_\_\_

Circle bands and activities in which you are active:

50 144 222 432 902 1296 2304 3456 5760 10GHz 24GHz LASER

OSCAR EME ATV Packet Contests

See You There!!!

Steve KA0VYB

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Date: 8 Feb 93 09:41:16 EST

From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa

Subject: Batteries wanted

To: info-hams@ucsd.edu

In article <0wHlyB4w165w@jackatak.raider.net>, neal@jackatak.raider.net  
(Neal Griggs) wrote:

> I am looking for a source of batteries for the Heath HW2P 2 meter handi  
> talkie. This radio was manufactured by Standard communications for  
> Heath. I have tried to contact Heath as well as Standard and have been  
> informed by both that the battery molds were destroyed upon cessation of

> manufacture and that there are none available for sale.

Neal-

I suggest you try more second-source battery manufacturers. Was Heath able/willing to give you the part number for the battery pack? How about the Standard part number? How about the number of a Standard radio that used the same pack? How sure are you that the source wasn't Yaesu instead of Standard?

There are two or three battery sources that usually show up at the major hamfests. I don't have address info at hand, but one is a company near Orlando, Florida, called "TNR-Your Battery Store", possibly in Altamonte Springs. Try 800 information at (800)555-1212. I think they can make custom designs, but I wouldn't want to trust anyone with my only copy of a unique pack!

Another company that may have something, is Alexander Battery Company, telephone (800)334-0342. I've seen them at several commercial two-way radio trade shows.

73, Fred, K4DII

fred-mckenzie@ksc.nasa.gov

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Date: Sun, 7 Feb 1993 22:54:29 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!cis.ohio-state.edu!udecc.engr.udayton.edu!udcps3!dmapub!  
aponte@network.UCSD.EDU  
Subject: Correct Name for ham.ucsd.edu FTP Site?  
To: info-hams@ucsd.edu

Summary:

Keywords:

What is the correct name for ham radio ftp site at ucsd?  
I am looking for TCP/IP binaries and sources for packet radio.  
Are there any other sites with amateur radio stuff?  
tnx,73

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Date: Mon, 8 Feb 1993 15:24:16 GMT  
From: usc!howland.reston.ans.net!sol.ctr.columbia.edu!destroyer!news.iastate.edu!  
vincent1.iastate.edu!jeffries@network.UCSD.EDU  
Subject: Correct Name for ham.ucsd.edu FTP Site?

To: info-hams@ucsd.edu

In <1993Feb7.225429.1409@dmapub.dma.org> apontej@dmapub.dma.org (Jose Aponte) writes:

>Summary:

>Keywords:

>What is the correct name for ham radio ftp site at ucsd?

>I am looking for TCP/IP binaries and sources for packet radio.

>Are there any other sites with amateru radio stuff?

>tnx,73

Try "ucsd.edu". I tried to lookup ham.ucsd.edu, and the nameserver didn't know what it was, but ucsd.edu worked okay. I ftp'd to ucsd.edu just fine. the directory is /hamradio.

--

Anthony Glen Jeffries NONRO ><> Amazing Grace, How Sweet The Sound! ><>  
Journalism and Mass Communication student Iowa State University Ames, IA  
This does not necessarily represent the opinions of Iowa State University.

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Date: Mon, 8 Feb 1993 14:58:08 GMT

From: elroy.jpl.nasa.gov!sdd.hp.com!col.hp.com!fc.hp.com!jayk@ames.arpa

Subject: CQ EU de AH1A

To: info-hams@ucsd.edu

>MHDXA

>P.O. Box 1

>Franktown, CO USA 80116

>

>Thanks,

>Steve, N2IC/0

>n2ic@drutx.att.com

The above address was posted in the basenote of this thread HI HI.

73, Jay K0GU

jayk@fc.hp.com

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Date: Mon, 08 Feb 93 01:05:56 CST

From: usc!howland.reston.ans.net!sol.ctr.columbia.edu!The-Star.honeywell.com!  
umn.edu!kksys.com!edgar!brainiac!moron!pillock!stevej@network.UCSD.EDU

Subject: Hamfest on the MN Tundra

To: info-hams@ucsd.edu

Twelfth Annual  
MIDWINTER MADNESS  
Hobby Electronics Show  
Presented by the Robbinsdale Amateur Radio Club, Inc.  
Saturday, February 13, 1993  
7:00 am - 2:00 pm  
NATIONAL SPORTS CENTER  
1700 105th Avenue N.E.  
Blaine, Minnesota  
1/4 mile east of highway or 2 miles west of 35W, exit 32

\*\*\* For More Information Call\*\*\*  
Robbinsdale ARC Hotline @ 612-537-1722

Comments:

Typically this show has an attendance of about 2800 - 3000. There will be at least 76 Commercial booths and over 300 Flea Market tables. Talk-in is on 147.00khz +600. This Hamfest tends to be a good one for finding Computers, and computer parts and pieces in addition to a large diversity in radios.

Steve KA0VYB

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Date: Mon, 8 Feb 1993 15:55:47 GMT  
From: usc!howland.reston.ans.net!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!  
bgsuvax!att!cbnewsc!cmd@network.UCSD.EDU  
Subject: HF Propagation Beacons  
To: info-hams@ucsd.edu

I'm looking for a list of frequencies and locations of various propagation beacons for HF Ham bands.  
tnx de Craig

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Date: 8 Feb 93 15:04:58 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: HTX-100  
To: info-hams@ucsd.edu

Chris:

> Now that the rat shack has dropped the closeout price on this radio to  
> \$159, does anybody have any comments on it?? I am mostly interested in

> it's usefulness for satellites. I don't know a soul who has one...

You do now. I have one at home and I'm very pleased with it. I haven't used it on satellites, but for straight 10m operations it works just fine. I paid a little more than that for mine at the local store about 9 months ago, but it does the job nicely.

//Steve//

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/-----+-----\
|Steve Silverwood      | Internet: 76703.3035@compuserve.com |
|Computer Associates   | OR: steve.silverwood@filebank.cts.com |
|Clipper Development Center | CompuServe: 76703,3035 |
|300 Corporate Pointe  | Voice: (310)348-4448 |
|Second Floor          | FAX: (310)348-4401 |
|Culver City, CA 90230 | Packet: KB60JS@WF60.#SOCA.CA.USA.NA |
\-----+-----/
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Date: Mon, 8 Feb 1993 14:47:34 GMT

From: usc!cs.utexas.edu!qt.cs.utexas.edu!yale.edu!ira.uka.de!sol.ctr.columbia.edu!  
caen!malgudi.oar.net!news.ysu.edu!yfn.ysu.edu!ag821@network.UCSD.EDU

Subject: kenwood 940

To: info-hams@ucsd.edu

I was at a ham fest this weekend and saw a really nice 940 with auto tune and all the filters.. looked new for about \$1300. I have been looking at some HF rigs for possible purchase. The ones that I have been considering are the 850 and the Ten Tec Omni Vi or Corsair II.

Does anyone have experience with the 940.. how is the receiver? How is it as a contest rig. I work mainly CW and then RTTY and AMTOR.. also occassional DX SSB.

Help is appreciated.

73s

Jeff

--

Jeff M. Gold, AC4HF  
Manager, Academic Computing Support  
Tennessee Technological University

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Date: Mon, 8 Feb 1993 14:12:15 GMT



From: usc!howland.reston.ans.net!usenet.ins.cwru.edu!gatech!emory!  
sol.ctr.columbia.edu!news.unomaha.edu!cwis.unomaha.edu!rerickso@network.UCSD.EDU  
Subject: MATCHING TUBES \*\*\*\*HOW ?\*\*\*\*\*  
To: info-hams@ucsd.edu

As I remember it, what you are doing is matching current drawn by the tubes. I recall, you have to insert a high voltage capacitor to separate the grid and/or screen connections and then use a ten turn pot to adjust tube current on one or both tubes to match the current flow in the electron tubes.

73,

Ron  
AKON

-----  
Date: 8 Feb 1993 17:57:30 GMT  
From: saimiri.primate.wisc.edu!usenet.coe.montana.edu!news.uoregon.edu!fp2-st-affairs-17.uoregon.edu!user@ames.arpa  
Subject: Navassa QRV?  
To: info-hams@ucsd.edu

As I was tuning across 20 meters last night, I heard one of the DX net controls mention that a Navassa expedition group is all set and ready to leave to activate that island.

Apparently, they have all equipment in hand and operators organized.

However, no dates were mentioned for this activity. Does anyone have any further info?

Thanks,  
Steve/AA7FL

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Date: 8 Feb 93 12:13:42 EST  
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa  
Subject: Need help on impedance of 1/2 wave loop  
To: info-hams@ucsd.edu

In article <fred-mckenzie-050293140406@k4dii.ksc.nasa.gov>,  
fred-mckenzie@ksc.nasa.gov (Fred McKenzie) wrote:  
> Note: Electrical length is found by multiplying free-space length by the  
> velocity factor of the transmission line.

No one caught my error? At least it's misleading.

Radio energy travels slightly slower in a transmission line with velocity factor less than 1. This means that a given piece of co-ax will be electrically longer than its physical length. Therefore electrical length is equal to physical length divided by the velocity factor.

If you are calculating length of co-ax to be used in an application, multiply the free-space length by the velocity factor to get the physical co-ax length needed.

73, Fred, K4DII

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Date: 7 Feb 93 23:19:00 GMT  
From: usc!howland.reston.ans.net!usenet.ins.cwru.edu!ncoast!flbbs!  
larry.mittman@network.UCSD.EDU  
Subject: Proposition  
To: info-hams@ucsd.edu

To: v111qheg@ubvmsd.cc.buffalo.edu (P.VASILION)  
On 02-05-93 P.VASILION wrote to ALL...

P> From: v111qheg@ubvmsd.cc.buffalo.edu (P.VASILION)  
P> Newsgroups: rec.radio.amateur.misc  
P> Subject: RE: Proposition  
P> Message-ID: <C1y201.ApC@acsu.buffalo.edu>  
P> Date: 4 Feb 93 21:52:00 GMT  
P>  
P> Well. since this thread had gone this far why not add to the  
P> discussion?

P>  
P> Ok. What we have hear is a conflict between operating privileges,  
P> types of licenses and the like so here is my ideas.  
P>  
P> So, how do you make everyone happy? I suggest:  
P>  
P> First assign the Technician License as the initial class of license.  
P> Include  
P> 6 mtrs, 2 mtrs, 1.25 mtrs, 70 cm, 33cm, and 23 cm as their permitted  
P> bands of operation. Rework the question pool for the Tech to include a  
P> 40 question exam from elements 2 and 3a, but remove questions having to  
P> do with HF work. There are no HF privelages and no code requirements.  
P> Secondly, assign the Novice as the secondary class of license. Include  
P> operating privileges on 80cw, 40cw, 15cw, 10cw, 10ssb as currently held,

P> and include all privileges that the Tech ticket confers. In addition, to  
P> these  
P> privileges, permit operating on all bands above 23 centimeters. Rework  
P> the question pool to add HF questions and require the passing of a 5 WPM  
P> code test. Perhaps the creation of a 2b element to test for this class  
P> would be the best approach, and require a 25 question exam from this pool.  
P>  
P> Now, tie up the loose ends. Tech licensees with a code test under their  
P> belt would have to pass the 25 question test to obtain full Novice privs  
P> at this point. Seeing as theory exams are easily passed, this would not  
P> be a large inconvenience. Perhaps a Certificate of Special Temporary  
P> Authority  
P> could be issued by VEC if a examinee presents a CSCE for the code and  
P> get a temporary permission to continue to operate on HF while he or she  
P> passes the new element.  
P>  
P> Summary: General, Advanced and Extra Licensees are not affected. The  
P> Tech.  
P> license becomes the initial class of license. The Novice becomes the  
P> second step in the license ladder. Current question pools are revamped  
P> to reflect the change of licensing. A new exam element, 2b, is created  
P> and thus  
P> and thus a new question pool for this license. Element 2 and 3a are  
  
P> needed to pass the Technician. These elements have had HF-related  
P> questions removed. The VEC's would be given the authority to issue  
P> STA's for current Techs with code to continue to operate on HF while  
P> they pass the new Novice exam and while the current License exams are  
P> phased out. Fees could be levied by the VEC's to issue the STA's. The  
P> FCC would be legally able to enforce the new system as it comes on  
P> line, with no restrictions on fines or penalties that could be levied  
P> on operators who hope to scam the system and get away with HF without  
P> the 2b and 1a elements passed. Also, current Novices would not be  
P> exempt. They would have to take elements 2b and 3 to retain current  
P> privileges on the bands. STA could be issued to them by the VEC's as  
P> well. Note: the FCC does not have to spend a penny on this problem.  
P> The VEC's could do all the work.  
P>

Forgive me for the excess quoting, but this was the first GOOD IDEA  
to come out of this NO-CODE FLAME WAR! It makes sense, does not put  
ANY burden onto the FCC, and lets everyone live happily ever after!  
Let's get some conversation going on this, folk.

de N8MGU (Larry Mittman)

... OFFLINE 1.50 "Prosecutors will be Violated!"

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Date: Mon, 8 Feb 1993 13:45:25 GMT  
From: usc!howland.reston.ans.net!sol.ctr.columbia.edu!news.unomaha.edu!  
cwis.unomaha.edu!rerickso@network.UCSD.EDU  
Subject: QRP amplifier ?  
To: info-hams@ucsd.edu

When I was in broadcasting, other engineers told me that  
the shorting stick was not always 100% fool proof. Sometimes  
oil filled electrolytics recharge themselves or take longer  
than normal to discharge. One can never be too careful with  
lethal voltages.

Ron  
AK0N

-----  
Date: Mon, 8 Feb 1993 16:04:06 GMT  
From: haven.umd.edu!darwin.sura.net!gatech!wa4mei!ke4zv!gary@ames.arpa  
Subject: QRP amplifier ?  
To: info-hams@ucsd.edu

In article <1993Feb8.134525.10828@news.unomaha.edu> rerickso@cwis.unomaha.edu  
(Ronald D. Erickson) writes:

>  
>When I was in broadcasting, other engineers told me that  
>the shorting stick was not always 100% fool proof. Sometimes  
>oil filled electrolytics recharge themselves or take longer  
>than normal to discharge. One can never be too careful with  
>lethal voltages.

Ron, oil filled HV caps aren't electrolytics, but they sure can build  
a charge just sitting on a shelf. That's why they are always stored  
with a shorting wire between their terminals. Proper use of the shorting  
stick requires that it be \*hung\* in the circuit for the duration of  
servicing, not just briefly touched to the circuit and then put aside.  
Note too that transmitters with shorting sticks have an interlock that  
requires the shorting stick be properly stowed before power can be  
reapplied to the circuit. Otherwise, forgetful engineers could make  
a big bang by applying power without removing the safety short.

Gary

--

Gary Coffman KE4ZV		You make it,	gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.	uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!	emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244			

-----  
Date: Mon, 8 Feb 1993 14:05:03 GMT  
From: usc!sol.ctr.columbia.edu!news.unomaha.edu!cwis.unomaha.edu!  
rerickso@network.UCSD.EDU  
Subject: RF exposure  
To: info-hams@ucsd.edu

If one needs to have a handie talkie for communications,  
I wonder how much of an RF problem one would have using  
a metal pith hat, or a fiber pith hat lined with  
aluminum foil along with mounting a rubber ducky antenna on  
the top of the hat? I have seen similar installations  
at hamfests in the Midwest.

73,

Ron  
AK0N

-----  
Date: Mon, 8 Feb 1993 16:17:45 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!howland.reston.ans.net!  
usc!sol.ctr.columbia.edu!eff!ssd.intel.com!daveb@network.UCSD.EDU  
Subject: Universal Nicad Discharger?  
To: info-hams@ucsd.edu

I'm wondering if anyone has seen a multi-purpose (and multi-size) nicad  
battery discharger? The battery charger for my cell phone has an integrated  
discharger -- allowing you to completely discharge the battery every 3 or 4  
charge cycles. What I want is a discharger that I can use with the phone,  
handheld, laptop, AAs, etc etc -- something that takes a variety of physical  
battery sizes, amperages, and voltages (1.5 to 12v).

Has anyone seen such a product? If so, please reply directly by mail, not  
the newsgroup. I'll post a summary to news at a later date.

--  
David Billstrom (503) 531-5410 office  
Manager, Marketing Programs (503) 531-5501 fax  
Intel Supercomputer Systems Division daveb@ssd.intel.com  
Beaverton, Oregon USA

Date: Mon, 8 Feb 1993 13:47:48 GMT  
From: usc!howland.reston.ans.net!sol.ctr.columbia.edu!news.unomaha.edu!  
cwis.unomaha.edu!rerickso@network.UCSD.EDU  
Subject: WHICH ONE TO BUY ??  
To: info-hams@ucsd.edu

I have the Kenwood and have nothing to complain about with  
it.

73,

Ron  
AK0N

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End of Info-Hams Digest V93 #186  
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